

# Work Order ID 57582

April 9, 2010 10:22:14 AM



Page 1

Item ID: D2989-043

Accept



Setup Start



Revision ID:

Item Name: Basket Lid Assembly

Stop



Start Date: 4/09/10 Start Qty: 1.00



Cust Item ID:

Required Date: 4/16/10 Req'd Qty: 1.00

Customer:

Reference:

Approvals: Process Plan: W Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
----------	--------------

D2989	Rev D
-------	-------

100

0.00



Large Fab

Large Fab

Memo

0.00

Large Fab

1- assemble all ribs in DT9446 jig, weld as per dwg D2989  
2- tack weld mesh on basket as per dwg D2989 using DT9446 jig  
3- to locate hinges and shims use D2989-041, weld as per dwg D2989.  
A/R ER316 S.S. Rod Batch: 111679

Apr 10-04-19

110

QC9- Inspect visual per QSI004- Fusion Welds

0.00



QC

Memo

0.00

Quality Control

RD 10-04-19

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 57582

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Item ID: D2989-043

Accept

Setup Start

Revision ID:

Stop

Item Name: Basket Lid Assembly

Start Date: 4/09/10 Start Qty: 1.00

Cust Item ID:

Required Date: 4/16/10 Req'd Qty: 1.00

Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:

Run Start

QC: Date: SPC (Y/N): Date:

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

130

\* PRESSURE WASH

White Gloss(Ref:4.3.5.2) per QSI005 4.3-Steel

0.00



Powdercoat

Memo

0.00

Powder Coating

T-Plug holes prior to powder coating

2-Powder Coat White (Ref: 4.3.5.2) D2989-041 as per QSI 005 4.3 & Dwg D2989

1ST COAT

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

\*\*\*\*\* 2nd coat if necessary\*\*\*\*\*

2ND COAT:

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

8/10/04/19

=> M 10/04/19

(X)

(X1)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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# Work Order ID 57582

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Item ID: D2989-043

Accept



Setup Start



Revision ID:

Item Name: Basket Lid Assembly

Stop



Start Date: 4/09/10 Start Qty: 1.00



Cust Item ID:

Required Date: 4/16/10 Req'd Qty: 1.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

140

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

*ES 10/04/19 @*

150

Identify as per dwg & Stock Location: *G-A*

0.00



Packaging

*W/O 57580*

Memo

0.00

Packaging

*ES 10/04/19 @*

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

*10/04/21*

*MF 10-4-21*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Page 1

Work Order ID: 57582

Parent Item: D2989-043

Parent Item Name: Basket Lid Assembly

Start Date: 4/09/10

Required Date: 4/16/10

Comments: IPP Rev:I Removed D2989-041 05-11-03 JLM  
 IPP Rev:J 08-08-29 revC as per dwg DD verified by:EC  
 IPP Rev:K 08-09-24 plug holes prior to powder coating DD verified by:EC  
 IPP Rev:L 08-12-02 revD as per dwg DD verified by:

Start Qty: 1.00

Required Qty: 1.00

D2221-1 Manufactured No 100 Each 11.0000 1.0000



Rib

Warehouse Loc Qty Loc Code

Location

Main Warehouse

WA

11

57182

11

SAD 10-04-09

D2989-3 Manufactured No 100 Each 1.0000 1.0000



Rib

Warehouse Loc Qty Loc Code

Location

Main Warehouse

WA

1

56195

1

SAD 10-04-09

D2989-4 Manufactured No 100 Each 1.0000 1.0000



Rib

Warehouse Loc Qty Loc Code

Location

Main Warehouse

WA

1

56196

1

SAD 10-04-09

D2989-5 Manufactured No 100 Each 0.0000 2.0000



Rib

SAD 10-04-09

B57419 X2

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

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Work Order ID: 57582

Parent Item: D2989-043

Parent Item Name: Basket Lid Assembly





Comments: IPP Rev:I Removed D2989-041 05-11-03 JLM  
 IPP Rev:J 08-08-29 revC as per dwg DD verified by:EC  
 IPP Rev:K 08-09-24 plug holes prior to powder coating DD verified by:EC  
 IPP Rev:L 08-12-02 revD as per dwg DD verified by:



Start Date: 4/09/10

Required Date: 4/16/10

Start Qty: 1.00

Required Qty: 1.00

D3182-1	Manufactured	No	100	Each	0.0000	2.0000		
								SAD 10-04-09
Hinge								
D3442-3	Manufactured	No	100	Each	20.0000	2.0000		
								SAD 10-04-09
Shim								

<u>Warehouse</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
<u>Location</u>								
Main Warehouse								
WA			20					
53137			4					
56204			16				2	
D3827-041	Manufactured	No	100	Each	4.0000	1.0000		
								SAD 10-04-09
Rib Assembly (Inboard)								

<u>Warehouse</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
<u>Location</u>								
Main Warehouse								
WA			4					
55982			4				1	

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Shop Packet Print

Page 2

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

April 9, 2010 10:22:12 AM

Work Order ID: 57582



Parent Item: D2989-043



Parent Item Name: Basket Lid Assembly


Start Date: 4/09/10

Required Date: 4/16/10


Comments: IPP Rev:I Removed D2989-041 05-11-03 JLM  
 IPP Rev:J 08-08-29 revC as per dwg DD verified by:EC  
 IPP Rev:K 08-09-24 plug holes prior to powder coating DD verified by:EC  
 IPP Rev:L 08-12-02 revD as per dwg DD verified by:

Start Qty: 1.00


Required Qty: 1.00

D3832-5 Manufactured No 100 Each 3.0000 1.0000  
  
 Mesh (Lid) PL 10.04.15

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
WA	3	
53220	1	
56084	2	

D3833-5 Manufactured No 100 Each 17.0000 2.0000  
  
 Mesh (Lid End) ①  
PL 10.04.15

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
WA	17	
51305	4	
53722	13	

D3838-041 Manufactured No 100 Each 1.0000 1.0000  
  
 Rib Assembly (Basket Lid, LH) SAD 10-04-09

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
WA	1	
56193	1	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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April 9, 2010 10:22:14 AM

Work Order ID: 57582



Parent Item: D2989-043



Parent Item Name: Basket Lid Assembly

Start Date: 4/09/10

Required Date: 4/16/10

Comments: IPP Rev:I Removed D2989-041 05-11-03 JLM  
IPP Rev:J 08-08-29 revC as per dwg DD verified by:EC  
IPP Rev:K 08-09-24 plug holes prior to powder coating DD verified by:EC  
IPP Rev:L 08-12-02 revD as per dwg DD verified by:

Start Qty: 1.00

Required Qty: 1.00

D3838-042 Manufactured No 100 Each 1.0000 1.0000



Rib Assembly (Basket Lid, RH)



SAD 10-04-09

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

WA

1

56194

1

April 9, 2010 10:22:14 AM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**D2989-043 BASKET LID ASSEMBLY**  
(MESH SHOWN LOCALLY FOR CLARITY)

**D2989-041 BASKET LID ASSEMBLY**  
(MESH SHOWN LOCALLY FOR CLARITY)

ITEM	QTY -041	QTY -043	P/N	DESCRIPTION
1	X		D2989-041	BASKET LID ASSEMBLY
2		X	D2989-043	BASKET LID ASSEMBLY
3	1		D2506	LABEL PLATE
4	1		D2512-7	RIB
5	2		D2581	MOUNTING BRACKET
6		1	D2989-3	RIB
7		1	D2989-4	RIB
8		2	D2989-5	RIB
9	2		D2989-13	RIB
10	2	1	D2989-17	RIB
11	2		D2989-19	RIB
12		2	D3182-1	HINGE
13		2	D3442-3	SHIM
14		1	D3827-041	RIB ASSY (INBOARD)
15	1		D3832-3	MESH, BASKET LID
16		1	D3832-5	MESH, BASKET LID
17	2		D3833-3	MESH, LID END
18	2		D3833-5	MESH, LID END
19	1		D3836-041	RIB ASSY (BASKET LID, LH)
20	1		D3836-042	RIB ASSY (BASKET LID, RH)
21		1	D3838-041	RIB ASSY (BASKET LID, LH)
22		1	D3838-042	RIB ASSY (BASKET LID, RH)
23	1		D3852-041	RIB ASSEMBLY
24	1		D3852-042	RIB ASSEMBLY

RELEASED  
08/11/18

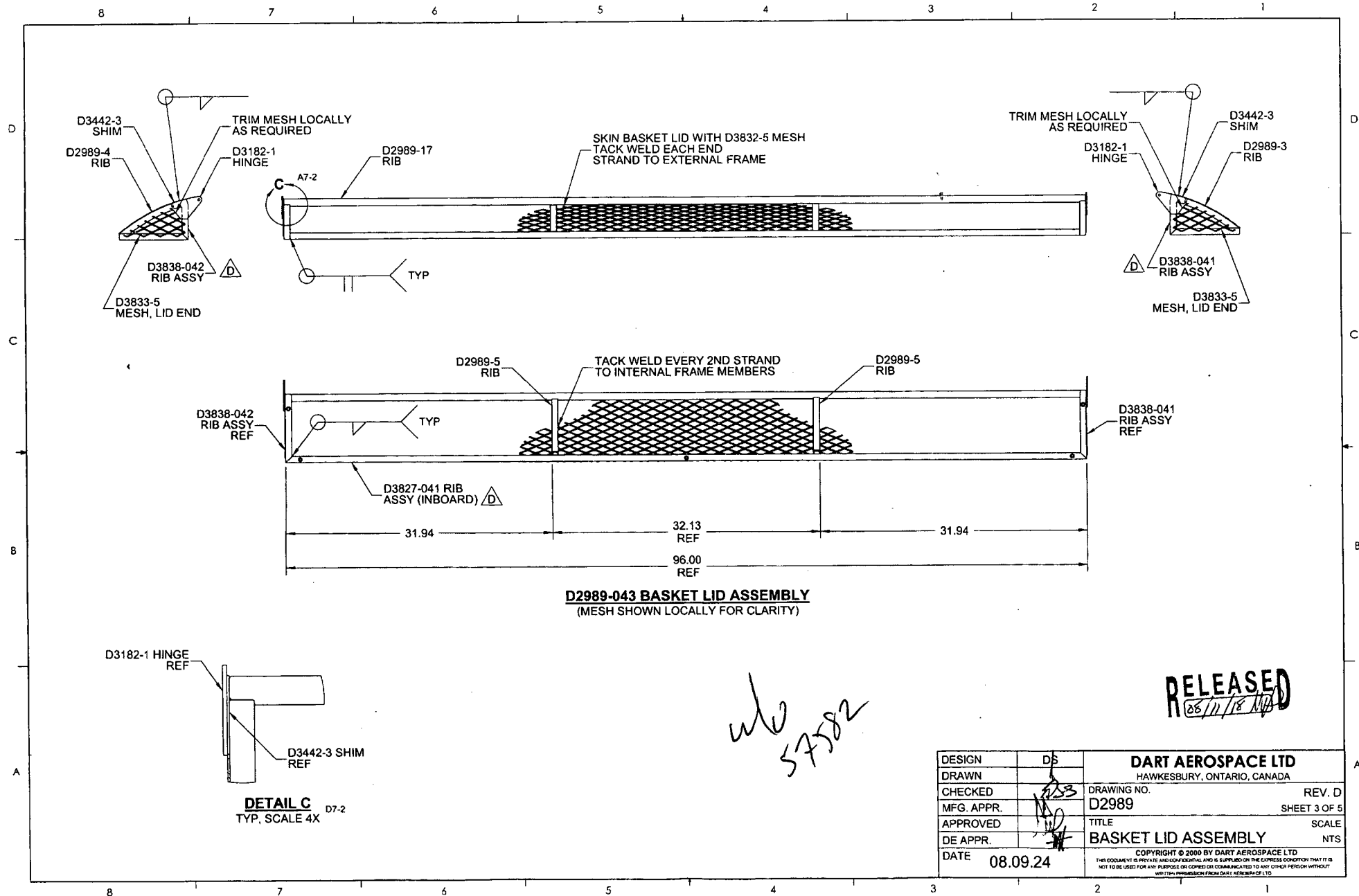
**NOTES:**

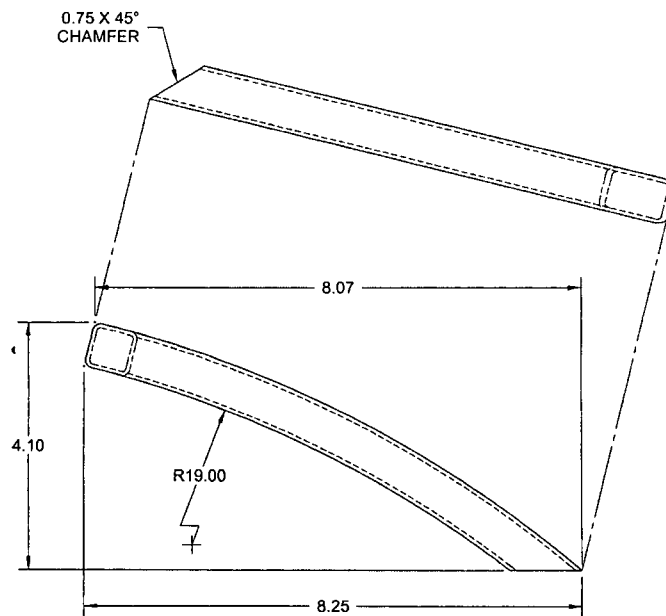
- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3  
BLACK ANTI-SKID PAINT AS INDICATED PER DART QSI 005 4.4  
SPRAY PAINT INSIDE SURFACE BLACK PRIOR TO APPLYING ANTI-SKID
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: D2989-041 = 26.50 lbs; D2989-043 = 15.50 lbs
- 8) WELD PER DART QSI 004

D	REVISED -041/-043 PARTS LISTS AND ADDED "ITEM" COLUMN TO PARTS LIST (ZN D3-1); D3836-041 REPLACES D2989-9/-15; D3836-042 REPLACES D2989-10/-15; D3838-041 REPLACES D2989-1/-7; D3838-042 REPLACES D2989-2/-7; D3852-041 REPLACES D2989-11; D3852-042 REPLACES D2989-2; REMOVED D2327-3 (NOW INSTALLED ON D3836 DWG), D2989-9/-10 (NOW ON D3836 DWG), D2989-1/-2/-7/-15 (NOW ON D3838 DWG) AND D2989-11/-12 (NOW ON D3852 DWG). REASON: TO SATISFY "LEAN MANUFACTURING" PROGRAM	MB	08.09.24
C	FRAME MATERIAL WAS 0.060 WALL; MESH MATERIAL UPDATED; DRAWING TRANSFERRED TO "B" FORMAT AND CURRENT DRAFTING STANDARD	AJS	08.06.20
B	ADD SHIM UNDER HINGES, UPDATE LID DIMENSIONS	PH	05.06.07
A	NEW ISSUE	DS	00.10.27
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED	AJS	DRAWING NO.	REV. D
MFG. APPR.		D2989	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		BASKET LID ASSEMBLY	NTS
DATE	08.09.24	<small>COPYRIGHT © 2000 BY DART AEROSPACE LTD  THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

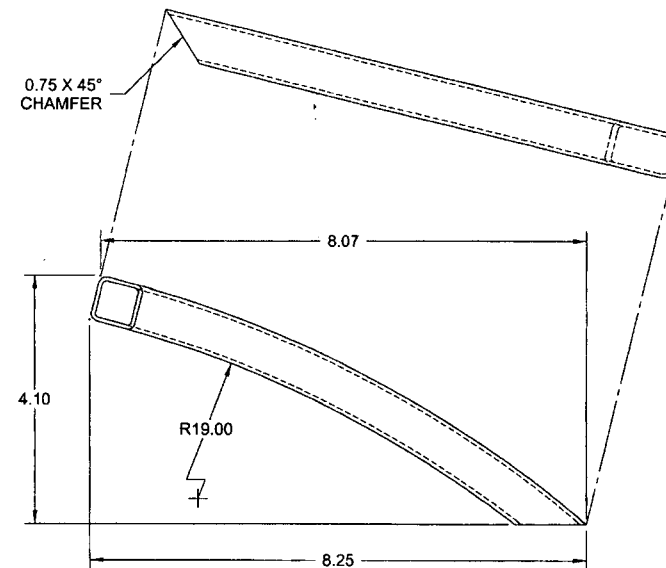








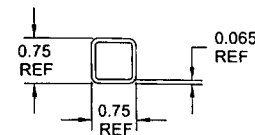
**D2989-3 RIB**



**D2989-4 RIB**

*WLO 57582*

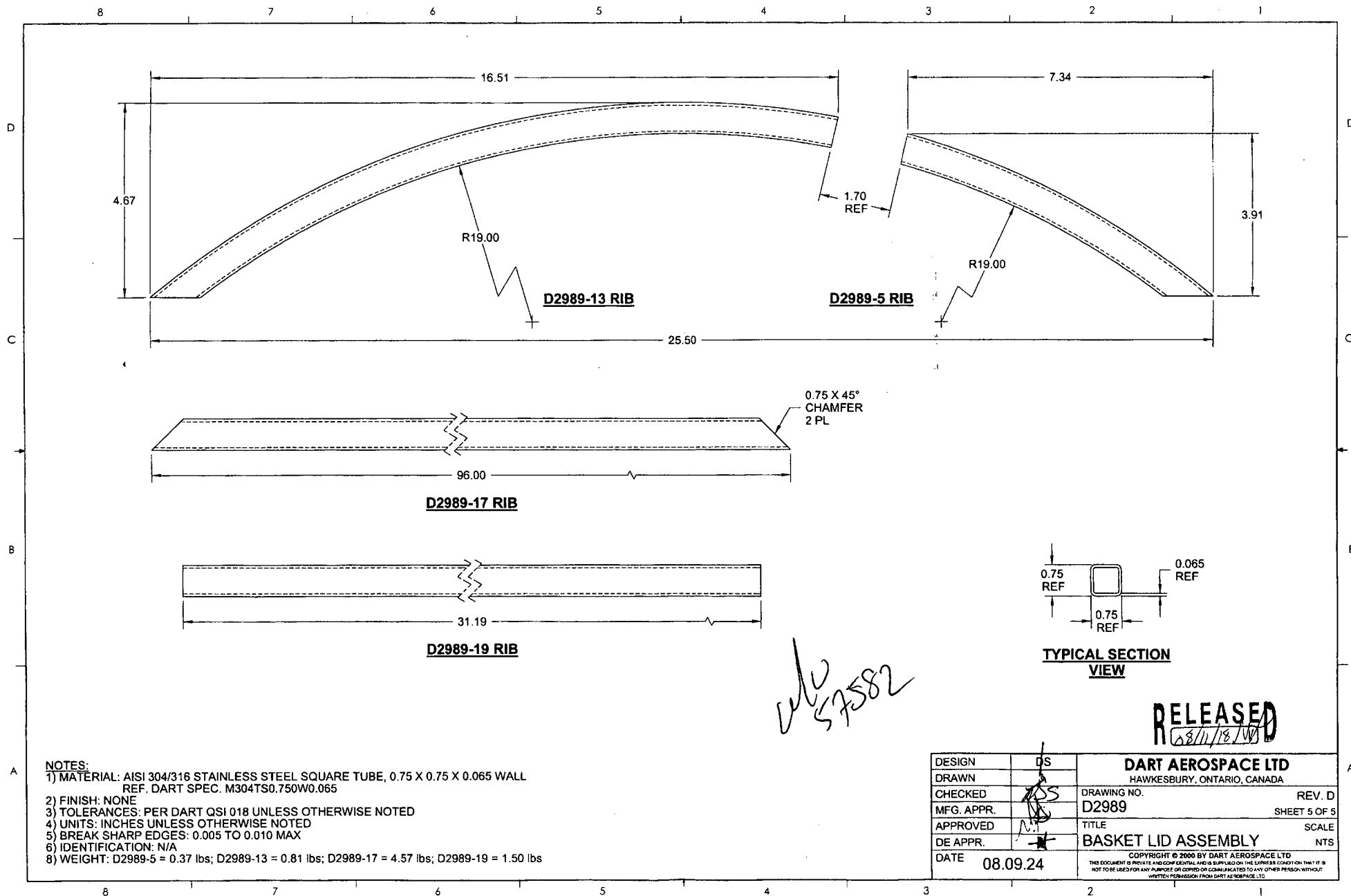
**RELEASED**  
*08/11/18 N/A*



**TYPICAL SECTION  
VIEW**

- NOTES:**
- 1) MATERIAL: D3166-3 BASKET HOOP
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 8) WEIGHT: D2989-3/-4 = 0.39 lbs;

DESIGN	DS	<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. <b>D2989</b>	REV. D
MFG. APPR.		SHEET 4 OF 5	
APPROVED		TITLE	SCALE
DE APPR.		<b>BASKET LID ASSEMBLY</b>	NTS
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DESIGN	DS	<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		D2989	SHEET 5 OF 5
APPROVED		TITLE	SCALE
DE APPR.		BASKET LID ASSEMBLY	NTS
DATE	08.09.24	<small>COPYRIGHT © 2000 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	